BRUHAT BANGALORE MAHANAGARA PALIKE

RajaRajeswari Nagara Zone.

Name Of Work : Construction of Individual Houses in Ward No 17 RR Nagar Constituency

Sl. No.	DESCRIPTION	Unit	No's	No	L	B	D	QTY	SR Rate 2018-19	SR+ AW-8%	AMOUNT
	KPWD SR -2018-19										
1	2	3		4	5	6	7	8	9	10	11
I	**Building Estimate**										
1	Dismantling Mangalore tiles roof A.C. sheet roofing, and stacking the material within a radius of 50 meters. (LNo; 37.42.3, Pg No :269.)										
	4X4 sheds	Sqm	69	1	4.00	4.00		1104.00	99.00	106.92	118040
2	**KSRRB M200-14.2.** Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. ii) Dismantling brick/Tile work B. In cement mortar. MORTH Specification No. 202. **(Item No :18.23, Pg No: 139)**										
	4X4 sheds		69	1	15.00	0.15	2.34	363.29			
	Total	Cum						363.29	351.00	379.08	137714
3	**KSRRB M100-4.2.** Haulage of materials by tipper excluding cost of loading, unloading and stacking complete as per specifications. MORTH -100/ Chapter 1 Case-II : Unsurfaced Gravelled Road. **(Item No : 17.5, Pg No : 136)**										
	Qnty same as itm no 2	t-km	69	15		5.29	*1.5=7.93	544.93	31.50	34.02	18538
	debris removal for 5km		69	15	2.10		31.50				
4	**KSRB 2-2.2 :** Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width,not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 **(Item No : 2.3 & 2.4, Pg No: 6)**										
	For footing										
	F1	Cum	69	2	1.75	1.55	1.50	561.49			
	E F1	Cum	69	4	1.75	1.25	1.50	905.63			
	For SSM										
	Main wall	Cum	69	1	27.45	0.60	0.60	681.86			
	Deduction for Footing quantity:										
	F1	Cum	69	-2	1.75	1.55	0.60	-224.60			
	E F1		69	-4	1.75	1.25	0.60	-362.25			
	For one house	Cum						1562.13			
A	In Ordinary Soil	60% of 22.64						937.28	299.00	322.92	302665
B	In Hard Soil	40% of 22.64						624.85	449.00	484.92	303002
5	**KSRB 4-1.3:** Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **(Item No : 4.3, Pg No: 13)**										
	For foundation & Flooring Bed										
	F1C1		69	2	1.75	1.55	0.12	44.92			
	EF1		69	4	1.75	1.25	0.12	72.45			
	Main wall		69	1	27.45	0.60	0.12	136.37			
	Partition Wall		69	1	2.90	0.45	0.12	10.81			
			69	2	2.50	0.45	0.12	18.63			
	Dedt Excavated Column Area		69	-6	0.20	0.375	0.12	-3.73			
	for flooring										
	Living		69	1	2.90	3.40	0.10	68.03			
	Bed room		69	1	2.50	2.85	0.10	49.16			
	Kitchen		69	1	2.90	1.65	0.10	33.02			
	Bath		69	1	2.50	1.20	0.10	20.70			
	W.C		69	1	0.90	1.00	0.10	6.21			

Sl. No.	DESCRIPTION	Unit	No's	No	L	B	D	QTY	SR Rate 2018-19	SR+ AW-8%	AMOUNT
	KPWD SR -2018-19										
1	2	3		4	5	6	7	8	9	10	11
	Passage Near W.C / Bath		69	1	1.60	0.90	0.10	9.94			
	For one house	Cum						466.51	5169.50	5583.06	2604548
6	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, (Item no : 4.11, Pg No: 14)										
	Footing Concrete										
	F1		69	2	1.60	1.40	0.35	108.19			
	E F1		69	4	1.60	1.10	0.35	170.02			
								278.21			
	Pedestal concrete										
	EF1-P1		69	4	0.275	0.525	0.60	23.91			
	For Column										
	C1		69	2	0.20	0.375	4.050	41.92			
	C2		69	4	0.20	0.375	3.450	71.42			
	For one house	Cum						113.33			
	Plinth beam concrete										
	Main Wall	Cum	69	1	27.45	0.20	0.375	142.05			
	partition wall		69	1	2.90	0.20	0.150	6.00			
			69	2	2.50	0.20	0.150	10.35			
								158.41			
	For one house	Cum						573.86	5779.00	6241.32	3581617
7	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, (Item No : 4.28, Pg No: 16)										
	For Column footings										
	F1		69	2*2 *(1.60 + 1.40) =12			0.35	289.80			
	E F1		69	4*2 *(1.60 + 1.10) =21.6			0.35	521.64			
	pedestal		69	4*2*(0.275+0.525)=6.4			0.60	264.96			
	For one house	Sqm						1076.40	258.00	278.64	299928
8	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2, (Item No : 4.32, Pg No:17)										
	Centring for Column										
	C1		69	2x2 (0.20+0.375) =2.3			4.050	642.74			
	C2		69	4x2 (0.20+0.375)=4.6			3.450	1095.03			
	For one house	Sqm						1737.77	456.00	492.48	855815
9	KSRB 5.2-3: Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13, (Item No: 5.6, Pg No:25)										
	Main wall		69	1	27.45	0.45	0.45	383.55			
	partition wall		69	1	2.90	0.45	0.45	40.52			
			69	2	2.50	0.45	0.45	69.86			
	deduct column concrete		69	-2	0.20	0.375	0.45	-4.66			
			69	-4	0.20	0.525	0.45	-13.04			
	For one house	Cum						476.23	4626.94	4997.10	2379764
10	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (Item no.2.10 page no.7)										
	Back Filling										

Sl. No.	DESCRIPTION	Unit	No's	No	L	B	D	QTY	SR Rate 2010-19	SR+ AW-0%	AMOUNT
	KPWD SR -2018-19										
1	2	3		4	5	6	7	8	9	10	11
	EW ltm no 4	1.00		1562.13				1562.13			
	Deductions							0.00			
	PCC ltm no 5	-1.00		0.72				-0.72			
	Footing and Pedestal ltm no 6	-1.00		573.86				-573.86			
	Column Below Plinth	-1.00		2.00	1.05	0.20	0.38	-0.16			
		-1.00		4.00	0.45	0.20	0.38	-0.14			
	SSM ltm no 10	-1.00		476.23				-476.23			
	For one house	Cum						511.03	201.00	217.08	110934
11	KSRB 2.5 : Earthwork excavation in soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. specification. No. KBS 2.9.9 / 2.9.10.1 / 2.1.1, Item No: 2.12, PgNo:7										
	Basement Filling		69	1	2.90	3.40	0.200	136.07			
			69	1	2.90	1.65	0.200	66.03			
			69	1	2.50	2.85	0.200	98.33			
			69	1	2.50	0.90	0.200	31.05			
			69	1	2.50	1.20	0.200	41.40			
	For one house	Cum						372.88	403.00	435.24	162291
12	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4, Item No: 5.26.2, Pg No: 27.										
	Main wall		69	1	27.45		2.625	4971.88			
	parapet	Sqm	69	1	24.20		0.20	333.96			
	Deductions:							5305.84			
	Column Concrete		69	-6	0.375		2.625	-407.53			
	Doors		69	-1	0.90		2.10	-130.41			
	opening at passage		69	-1	0.90		2.10	-130.41			
	W1		69	-2	0.90		1.20	-149.04			
	W2		69	-1	0.75		0.60	-31.05			
	V		69	-2	0.45		0.45	-27.95			
	Lintel for Doors and windows		69	-5	1.20		0.20	-82.80			
	Lintel at passage		69	-1	1.20		0.20	-16.56			
	Lintel for Ventilators		69	-2	0.75		0.20	-20.70			
	Total Deduction							-996.45			
	Net Quantity For one house	Sqm						4309.40	964.77	1041.95	4490181
13	KSRB 5-11 : Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4, (Pg No: 25, Item no:5.28.)										
	Partition wall 1-bedroom		69	2	2.50		2.875	991.88			
	Partition wall 2-hall-kit		69	1	2.90		2.875	575.29			
	Partition wall wc/passage		69	1	0.90		2.875	196.39			
	Kitchen Platform support wall	Sqm	69	3	0.60		0.75	93.15			
	Deductions:										
	Door D1		69	-1	0.90		2.10	-130.41			
	Door D2		69	-2	0.75		2.10	-217.35			
	open at kitchen		69	-1	0.90		2.10	-130.41			
	Lintel in kithen and room		69	-2	1.20		0.20	-33.12			
	Lintel at WC and Bath		69	-2	1.05		0.20	-28.98			

Sl. No.	DESCRIPTION	Unit	No's	No	L	B	D	QTY	SR Rate 2018-19	SR+ AW-0%	AMOUNT
	KPWD SR -2018-19										
1	2	3		4	5	6	7	8	9	10	11
	For one house	Sqm						1316.43	812.53	877.53	1155213
14	KSRB: 4.9.2: Providing **TMT Bars of Fe 500 steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, fixing with binding wire and anchoring to the adjoining members wherever necessary complete as per design, (laps and wastages shall not be measured and paid) csot of materials, etc. complete as per specifications **(I No;4.46.2, Pg No: 18)**										
	footing		69	0.099				6.831			
	Columns and Pedestal		69	0.379				26.151			
	Plinth beams and Roof beams		69	0.370				25.530			
	Roof slabs		69	0.267				18.423			
	Lintel Chejja and Loft		69	0.110				7.590			
	For one house	Tonne						84.525	64410.00	69562.80	5879796
15	**KSRB 4.2.10** : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, **Item No: 4.19, Pg No:15.**										
	chejja & Loft										
	chejja		69	3	1.20	0.45		111.78			
	Kichen Window chejja		69	1	1.05	0.45		32.60			
	bath and WC chajja		69	2	0.75	0.45		46.58			
	bed room loft		69	1	2.50	0.60		103.50			
	Kichen room loft		69	1	2.90	0.60		120.06			
	Loft at Passage /Bath		69	1	1.60	0.90		99.36			
	For one house	Sqm						513.88	449.00	484.92	249189
16	KSRB 4-2.12 : Extra for providing throating or drip moulding to R.C.C. chajja with plastering (labour charges only) as per specifications. Specification No. KBS. **(Item No. 4.21, Pg No: 15)**										
	For chejja		69	4	2.10			579.60			
	bath and WC-chejja		69	2	1.65			227.70			
	For one house	M						807.30	33.00	35.64	28772
17	KSRB : 4-6.10 : Providing and removing **centering, shuttering, strutting, propping etc,** and removal of form work **for Chejja** etc., including cost of all materials, labour complete as per specifications including all lead and lift charges etc., complete as per directions of Engineer in charge. **Item No. 4.37, Pg No :17.**										
	For chejja		69	3	1.20	0.45		111.78			
	Kichen Window chejja		69	1	1.05	0.45		32.60			
	bath and WC chajja		69	2	0.75	0.45		46.58			
	bed room loft		69	1	2.50	0.60		103.50			
	Kichen room loft		69	1	2.90	0.60		120.06			
	Loft at Passage /Bath		69	1	1.60	0.90		99.36			
	For one house	Sqm						513.88	323.00	348.84	179261
18	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, **(Item no : 4.13, Pg No: 14.)**										
	Lintel										
	Lintel for Doors and windows		69	4	1.20	0.15	0.20	9.94			
	Lintel for Ventilators		69	2	0.75	0.15	0.20	3.11			
	Lintel in Kitchen		69	1	1.20	0.10	0.20	1.66			
	Lintel at WC and Bath		69	2	1.05	0.10	0.20	2.90			

Sl. No.	DESCRIPTION	Unit	No's	No	L	B	D	QTY	SR Rate 2018-19	SR+ AW-0%	AMOUNT
	KPWD SR -2018-19										
1	2	3		4	5	6	7	8	9	10	11
	Bedroom loft Lintel		69	1	2.50	0.15	0.20	5.18			
	Kichen room loft lintel		69	1	2.90	0.15	0.20	6.00			
	Loft at Passage /Bath		69	2	1.60	0.10	0.20	4.42			
								33.19			
	Roof Beam	Cum	69	1	27.45	0.20	0.250	94.70			
	Roof Slab	Cum	69	1	6.00	5.55	0.125	287.21			
	For one house	Cum						415.10	6012.00	6492.96	2695254
19	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2. Item No: 4.34, Page No:17.										
	Plinth beam centering										
	Main Wall	Sqm	69	2	27.45		0.375	1420.54			
	partition wall		69	2	2.90		0.150	60.03			
			69	4	2.50		0.150	103.50			
	For Roof Beam						A	1584.07			
	Roof Beam (inner Edge)		69	1	31.40		0.250	541.65			
	Roof Beam (Outer Edge)		69	1	23.10		0.375	597.71			
	Lintel for Doors and windows		69	8	1.20		0.20	132.48			
	Lintel for Ventilators		69	4	0.75		0.20	41.40			
	Lintel in Kiben		69	4	1.20		0.20	66.24			
	Lintel at WC and Bath		69	4	1.05		0.20	57.96			
	Bedroom loft Lintel		69	2	2.50		0.20	69.00			
	Kichen room loft lintel		69	4	2.90		0.20	160.08			
	Loft at Passage /Bath		69	4	1.60		0.20	88.32			
							B	1754.84			
	For one house	Sqm						3338.91	292.00	315.36	1052959
20	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification. Specification No. KBS 4.6.2. (Item No : 4.30, Pg No: 16.)										
	Roof Slab Centring										
			69	1	5.15	2.90		1030.52			
			69	1	5.15	2.50		888.38			
	For one house	Sqm						1918.89	440.00	475.20	911857
21	Providing and fixing RCC door frames factory manufactured, with C.C. 1:1 1/2 :3 reinforced with 3 Nos. of 6 mm dia. Main bars and 6 mm dia. Stirrups welded at 30 cm C/C, vibrating, curing including cost of steel and fabrication charges having 3 Nos. of hinges with 20mm x 3mm M.S. flat welded with required iron rods and flats with drilling and fixing 4 No.of flat screw nuts each in concrete for fixing hinges and making necessary provision in concrete for fixing aldrops, tower bolts etc., including cost of one coat of oil based enamel primer, 4 No.of hold fasts, 3 Nos. ISS Iron oxidised hinges necessary metal screws etc., complete. 60mm x 100 mm size-Door frames. Item No:9.98, Pg No:63.										
	D1 For Main Door	M	69	1	6.00			414.00	872.00	941.76	389889
22	Providing and fixing 65mmx125mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM) U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0mm. The doorframe consists of four segments, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement on 6 locations for high screw holding capacity for fixing metalling hold fast and shall be consolidated by filling with medium density foam/Plaster of Paris with fibre reinforcement Six Numbers of 260mmx25mmx5mm sizeS shaped M.S. flat hold fast shall be provided with the frame.Item No:9.96, Pg No:63.										
	D1 For Bed Room Door	M	69	1	6.00			414.00	550.00	594.00	245916

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	KPWD SR -2018-19										
1	2	3		4	5	6	7	8	9	10	11
23	Providing and fixing factory made single leaft rigid **GRP Sandwich composite door shutter** of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and on layer of 45 gsm E-Glass Chopped strand Mat (CSM), impregnated with orthopthalic polyster resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not less than 28mmx32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc, shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the Salwood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV/TIFAC Composites Design centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain colour White/Ivory/Beige/Light Grey or any other colour using high quality pigments. Exclusing cost of fixtures and inclusive of supply of shutters to respective work spot. **Item No 9.93 Pg No.62**											
	For one house	Sqm	69	2	0.82	2.02		228.58	3000.00	3240.00	740610
24	**SOLID PVC DOOR FRAME** Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge. **(I No:9.84 page no.60)**										
	For one house D3	sqm	69	2	0.75		2.00	207.00	468.00	505.44	104626
25	Supplying and fixing of **PVC door shutters** made of 20mmx200mm with the wall thickness of 1.0mm+/-0.1mm equally divided into 4 nos with tongue and groove locking arrangements. The shutter frame is made of 58x24mm with the wall thickness of 1.5mm+0.15mm section metricut and jointed at 4 corners with 125mm x 225mm 2 Nos of 8mm PVC rods. Teak wood battoms shall be reinforced inside the door shutter during the fabrication of the door shutters at those points whevere the hardware is fixed on to the door shutter, as per specifications. **(I No:9.86, Pg No: 61.)**										
	For one house D3	Sqm	69	2	0.75	2.00		207.00	1705.00	1927.80	399055
26	**Steel Windows** with grill for residential buildings Providing and fixing of windows made of pre-painted steel (base steel as per IS 513 of 0.58mm tick galvanized as per IS 277 with zinc of 120GSM). Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7microns thick alkyd backer. Section for outer frame should be of 48x50mm, centre mullion should be of 48x50mm, section for shutter should be of 48x25mm and fixed glass beading section should be of 12x12mm. Outer frame and mullions to have rebate for glazed shutter and a 20mm provision for guard bars/grills. The sections are to be cut to length mitre joined with corner bracket. Centre mullion is to be fixed with mullion cap. Handle stay 2Nos of stainless steel heavy duty pivot hinges shall be provided for shutter. The window should be panelled with 5mm thick plain float glass. Rubber gaskets are to be provided all around the glass. The above frames should be fixed to the concrete/ masonry wall by means of self expanding screws, including 10mm square guard bars with 6" (152.4mm) pitch etc., complete for finished item of work. Double shutter window with vertical mullion 3'0"x4'0" (914.4mm x1219.2mm) outer frame section size of 48x50mm shutter frame section size of 48x25mm mullion section size of 48x50mm.**(Item No:38.37.1 Pg No.305)**										
	W1		69	2	0.90	1.20		149.04			
	W2		69	1	0.75	0.60		31.05			
	V		69	2	0.45	0.45		27.95			
	For one house	Sqm						208.04	3758.00	4058.64	844339
27	Providing and laying plat form using prepolished, water cut / gang saw 40mm thick telephonic Black Granite. laid on existing vertical -supports and fixing in CM 1:3 proportion. Including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing. (I.No. 14.52)										
		Sqcm	69		2.90		0.60	120.06	3525.00	3807.00	457068
28	Providing and Fixing Stainless Steel sink of sizes upto 60cms x 45cms in 20mm thick granite slab of by cutting required thickness and width of grooves and fixing using adhesives etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work.**I No:13.91**										
	for onehouse	Each	69	1				69.00	5437.00	5871.96	405165
29	**KSRB15-3-13** : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Item no : 15.21, pg no: 116.**										
	Ceiling plastering		69	1	2.90	3.40		680.34			
	Living		69	1	2.50	2.85		491.63			
	Bed room										

Sl. No.	DESCRIPTION	Unit	No's	No	L	B	D	QTY	SR Rate 2018-19	SR+ AW-8%	AMOUNT
	KPWD SR -2018-19										
1	2	3		4	5	6	7	8	9	10	11
	Kitchen		69	1	2.90	1.65		330.17			
	Bath		69	1	2.50	1.20		207.00			
	W.C		69	1	0.90	1.00		62.10			
	Passage Near W.C and Bath		69	1	1.60	0.90		99.36			
	chejja		69	8	1.20	0.45		298.08			
	bath and WC chajja		69	4	0.75	0.45		93.15			
	bed room loft		69	2	2.50	0.45		155.25			
	kit room loft		69	2	2.90	0.45		180.09			
	loft at passage and WC		69	2	1.60	0.90		198.72			
	For one house	Sqm						2795.88	237.00	255.96	715633
30	KSRB : 15.-3.3:-Providing 12mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering including Providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. Item No. 15.11, Pg No:115.										
	Room		69	1	10.70		2.75	2030.33			
	hall		69	1	12.60		2.75	2390.85			
	Kitchen		69	1	9.10		2.75	1726.73			
	Bath		69	1	7.40		2.75	1404.15			
	Toilet		69	1	3.8		2.75	721.05			
	Passage		69	1	4.10		2.75	777.98			
	Kitchen Platform support wall	Sqm	69	6	0.60		0.75	186.30			
								9237.38			
	Deduction MD		69	-1	0.90	0.50	2.10	-65.21			
	Deduction Room Door,		69	-2	0.90		2.10	-260.82			
	Deduction D2		69	-4	0.75		2.10	-434.70			
	Op1-kit		69	-2	0.90		2.10	-260.82			
	Op2-passage		69	-1	0.90		2.10	-130.41			
	Window W1		69	-2	0.90	0.50	1.20	-74.52			
	Window W2		69	-1	0.75	0.50	0.60	-15.53			
	Ventilater V		69	-2	0.45	0.50	0.45	-13.97			
								-1255.97			
	Net Qnty For one house	Sqm						7981.40	193.00	208.44	1663644
31	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (Item No.: 15.33, Pg. No.: 117)										
	Qty B/F item No;25							2795.88			
	Qty B/F item No;27							7981.40			
		Sqm						10777.28	32.00	34.56	372463
32	KSRB : 15-3.9:Providing 18 mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing etc., complete as per specifications for Out side plastering. Item No. 15.17 , PG NO:116.										
	Outside plastering	Sqm	69	1	23.10		3.375	5379.41			
	parapet	Sqm	69	2	24.20		0.20	667.92			
			69	1	24.20		0.15	250.47			
								6297.80			
	Deductions										

Sl. No.	DESCRIPTION	Unit	No's	No	L	B	D	QTY	SR Rate 2018-19	SR+ AW-8%	AMOUNT
	KPWD SR -2018-19										
1	2	3		4	5	6	7	8	9	10	11
	Deduction D1		69	-1	0.90	0.5	2.10	-65.21			
	Window W1		69	-2	0.90	0.5	1.20	-74.52			
	Window W2		69	-1	0.75	0.5	0.60	-15.53			
	WinVentilater V		69	-2	0.45	0.5	0.45	-13.97			
								-169.22			
	Net Qnty For one house	Sqm						6128.58	246.69	266.43	1632808
33	**KSRB15-3.10** : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. I No:15.18, Pg No: 116.										
	roof area	Each	69	1	6.00	5.50		2277.00			
								2277.00	293.13	316.58	720854
34	**KSRB15-4.6** Extra for providing and mixing waterproofing compound in cement plaster for birck masonry work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:3, 20mm thick cost of materials complete as per specifications.. I No:15.28, Pg No:116.										
	qty same as 12 mm plaster from Item No:37							2277.00			
		Sqm						2277.00	12.00	12.96	29510
35	**KSRB 14.7-2** : Providing and laying **red oxide flooring** 40 mm thick, with an under layer of 30mm thick M-15 cement concrete, using broken granite metal of 12.5mm nominal size and top layer of 10mm thick plaster with 1:3 cement mortar mixed with red oxide (using 3.5 kg of red oxide per 50 kg of cement) finished with floating coat of neat cement mixed with red oxide (mix of same proportion) , including cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.3 **Item No. 14.9, PgNo: 104.**										
	Living		69	1	2.90	3.40		680.34			
	Bed room		69	1	2.50	2.85		491.63			
	Kitchen		69	1	2.90	1.65		330.17			
	Bath		69	1	2.50	1.20		207.00			
	W.C		69	1	0.90	1.00		62.10			
	Passage Near W.C / Bath		69	1	1.60	0.90		99.36			
	For one houses	Sqm						1870.59	665.00	718.20	1343458
36	KSRB 15-14.1 : Providing and applying two coats with **oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. **(Item no 15.49.1, Pg No: 119)**										
	All Floors	Sqm									
	Inside Walls			Qty b/f vide Item No. 27				7981.40			
	ceiling plaster			Qty b/f vide Item No. 25				2795.88			
								10777.28	110.00	118.80	1280341
37	KSRB 15-16.1 : KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. **P. NO. 120, Item No. 15.53.2**										
	Qty B/F from item No 29							6128.58			
		Sqm						6128.58	102.00	110.16	675124
				Total Amount							3,95,37,839.19

This is to Certified that :

a The area comes with in the BBMP limits.

b Provisions Made in the Estimates Based on Site Condition.

c Estimate prepared based on the SR of PW, P & IWTD,Bangalore Circle 2018-19, Bengaluru

d Area Weightage of 8% is Considered Based on SR of PWD Bangalore Circle

Consultants

Assistant Engineer
Ward No 17

Assistant Executive Engineer
Yashwanthapura Sub Division

Executive Engineer
RR Nagar Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name Of Work : Construction of Individual Houses in Ward No 17 RR Nagar Constituency

ABSTRACT

NO	DESCRIPTION OF WORK	AMOUNT
A	HOUSING	
1	Building Estimate	3,95,37,839.19
2	Internal Water Supply	1,47,549.60
3	Internal Sanitary For	4,84,044.66
4	Internal Electrical For	7,06,700.00
5	External Sanitary For	7,90,377.00
	Sub Total	**4,16,66,510.45**
	TP 5 %	**20,83,325.52**
	ADD GST 12%	**52,49,980.32**
	DPR 1 %	**5,00,000.00**
	PMC 1 %	**5,00,000.00**
	Miscellaneous, Roundingoff & Unforeseen Charges	**183.71**
	Grand Total	**5,00,00,000.00**

Consultants

Assistant Engineer
Ward No 17

Assistant Executive Engine
Yashwanthapura-Sub Divis

Executive Engineer
RR Nagar Division

:124 ದಿನಾಂಕ: 10/7/2020

ರೂ. 500,00,000/- (Five Crore only)

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TECHNICAL SANCTION

Rs: 500,00,000/- (Rs Five crore only) is accorded under the head: P-3715

By CE(R.R.N.) P.N. 74-75

Registered as CE (R.R.N) No. 293/20-21 subject to conditions contained in enclosed memo No: 293/20-21 Dt. 31/2/2020

TA.

CE (R.R.N.)